

FIG. 1

TO THE STEEL DISTRICT WEST UNITS SHIP ME STATE OF THE ST

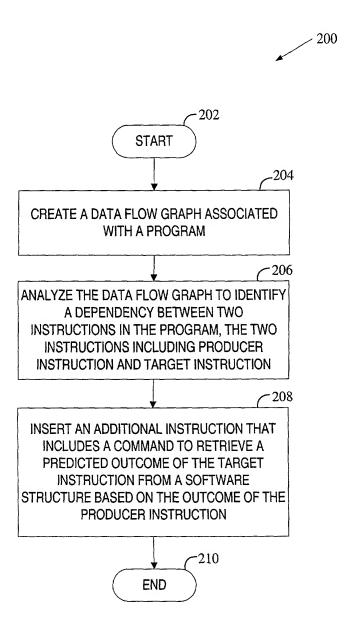
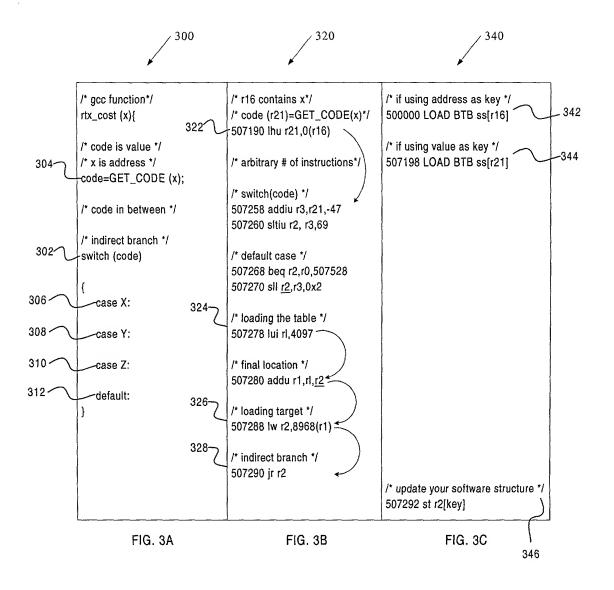


FIG. 2



and the SEN EN USE HOUSE STORE A SERVICE STORE S

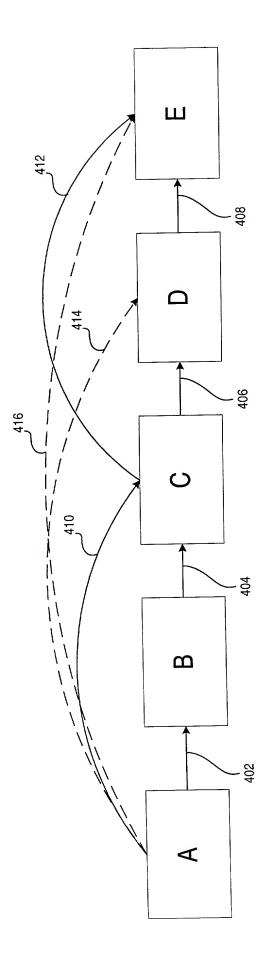


FIG. 4

```
/* frequency execute "go" */
                                                                     /* modernized pseudo-code */
                                                                    /* update is not in code....
/* not fully complete here */
/* merge list1 into list2
                                                                     /* assume perfect bp
                                                                                                  */
                                  mrglist:
/* each loop iteration is
                                                                     mrglist:
dependent on the previous
                                                                     loop:
                                  loop:
iteration
                                                                      if (ptr1 == EOL) goto end;
                                                                      /* use ptr1 */
                                   if(ptr1 == EOL) goto end;
                                                                      /* MLP
                                                                      nextptr1 = links[ptr1];
mrglist(int ptr1, int ptr2){
                                  /* use ptr1 */
                                  ptr1 = links[ptr1];
                                                                      specptr1 = ss[ptr1];
                                                           504
/* traversing the linked list */
 while (ptr1 !=EOL){
                                   goto loop;
                                                                      ptr1 = nextptr1;
                                                                      if (ptr1 == EOL) goto end; 508
 /* use ptr1 */
                                  end:
                                                                      /* use ptr1 */
 ptr1=links[ptr1];
                                                                                                     506
                                                                      nextptr1 = links[ptr1];
                                                                      if(nextptr1 == specptr1){
                                                                       /* speculatively correct */
                                                                       ptr1 = specptr1;
                                                                       }else{
                                                                       /* speculatively incorrect */
                                                                       ptr1 = nextptr1;
                                                                      goto loop;
                                                                    end;
```

FIG. 5A FIG. 5B FIG. 5C